

**Bellwork: 9/13/12**

**Solve the following equation for the given variable:**

$$(3) V = \cancel{\frac{1}{3}} \pi r^2 h \quad \text{for } h$$

$$\frac{3V}{\pi r^2} = \frac{\pi r^2 h}{\pi r^2}$$

$$\boxed{\frac{3V}{\pi r^2} = h}$$

#49) 
$$h = vt - 5s^2$$

$$\begin{array}{r} + 5s^2 \quad + 5s^2 \\ \hline \frac{h + 5s^2}{t} = \frac{vt}{t} \end{array}$$

Solve  
for  
V.

$$\boxed{\frac{h + 5s^2}{t} = V}$$

#48

$$S = 2\pi r^2 + 2\pi rh$$

solve for  $h$

$$\frac{S - 2\pi r^2}{2\pi r} = \frac{2\pi r h}{2\pi r}$$

$$\frac{S - 2\pi r^2}{2\pi r} = h$$

7.) Solve  $S = L - RL$  for  $L$

8.) Solve  $d = \frac{ax - bx}{c}$  for  $x$

## **Homework:**

Practice 1.6 - Solving Literals - all

## **Quiz Topics:**

- 1) Operations with Fractions
- 2) PEMDAS
- 3) Simplifying Exponents
- 4) Solving Equations
- 5) Solving Literal Equations
- 6) Sometimes, Always, Never
- 6) WORD PROBLEMS!